



FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 120

Complete if Known

Application Number 09/622,734
Filing Date November 27, 2000
First Named Inventor K. Koga
Examiner Name J. Mondt
Art Unit 2826
Attorney Docket No. YAO-4324US

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TECHNOLOGY CENTER 2800

METHOD OF PAYMENT (check all that apply)		FEE CALCULATION (continued)																																																																																																																																																																															
<input checked="" type="checkbox"/> Check <input type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None <input checked="" type="checkbox"/> Deposit Account: Deposit Account Number 18-0350 Deposit Account Name RatnerPrestia The Commissioner is authorized to: (check all that apply) <input type="checkbox"/> Charge fee(s) indicated below <input checked="" type="checkbox"/> Credit any overpayments <input checked="" type="checkbox"/> Charge any additional fee(s) during the pendency of this application <input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.		3. ADDITIONAL FEES <table border="1"><thead><tr><th>Large Entity Fee Code</th><th>Large Entity Fee (\$)</th><th>Small Entity Fee Code</th><th>Small Entity Fee (\$)</th><th>Fee Description</th><th>Fee Paid</th></tr></thead><tbody><tr><td>1051</td><td>130</td><td>2051</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr><tr><td>1052</td><td>50</td><td>2052</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr><tr><td>1053</td><td>130</td><td>1053</td><td>130</td><td>Non-English specification</td><td></td></tr><tr><td>1812</td><td>2,520</td><td>1812</td><td>2,520</td><td>For filing a request for ex parte reexamination</td><td></td></tr><tr><td>1804</td><td>920*</td><td>1804</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr><tr><td>1805</td><td>1,840*</td><td>1805</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr><tr><td>1251</td><td>110</td><td>2251</td><td>55</td><td>Extension for reply within first month</td><td></td></tr><tr><td>1252</td><td>410</td><td>2252</td><td>205</td><td>Extension for reply within second month</td><td></td></tr><tr><td>1253</td><td>930</td><td>2253</td><td>465</td><td>Extension for reply within third month</td><td></td></tr><tr><td>1254</td><td>1,450</td><td>2254</td><td>725</td><td>Extension for reply within fourth month</td><td></td></tr><tr><td>1255</td><td>1,970</td><td>2255</td><td>985</td><td>Extension for reply within fifth month</td><td></td></tr><tr><td>1401</td><td>320</td><td>2401</td><td>160</td><td>Notice of Appeal</td><td></td></tr><tr><td>1402</td><td>320</td><td>2402</td><td>160</td><td>Filing a brief in support of an appeal</td><td></td></tr><tr><td>1403</td><td>280</td><td>2403</td><td>140</td><td>Request for oral hearing</td><td></td></tr><tr><td>1451</td><td>1,510</td><td>1451</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr><tr><td>1452</td><td>110</td><td>2452</td><td>55</td><td>Petition to revive - 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**or number previously paid, if greater; For Reissues, see above		Other fee (specify) *Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 0																																																																																																																																																																															

SUBMITTED BY		Complete (if applicable)	
Name (Print/Type)	Andrew L. Ney	Registration No. Attorney/Agent	20,300
Signature	<i>Andrew L. Ney</i>	Telephone	(610) 407-0700
		Date	February 3, 2003

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.
This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, Washington, DC 20231.**

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YAO-4324US

Please enter now (3/25/3)
after RCE. Thanks.
Please do not enter.
Thank you. (2/26/3)

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: K. Koga
Serial No.: 09/622,734
Filed: November 27, 2000
For: FIELD-EMISSION
ELECTRON SOURCE

: Art Unit: 2826
: Examiner: J. Mondt
Expedited Procedure
37 C.F.R. § 1.116

TECHNOLOGY CENTER 2800

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R.E. (N)
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RECEIVED
FEB 12 2003

AMENDMENT

Assistant Commissioner for Patents
Washington, DC 20231

SIR:

Responsive to the Office Action dated December 3, 2002, please
amend the above-identified application as follows:

CLAIMS:

Please replace claims 1, 4, 5, and 7 with the following amended
claims and add new claims 18 through 22:

- 1 1. (Amended) A field emission type electron source device
2 comprising:
3 a field emission electron source portion including an extraction
4 electrode provided on a p-type silicon substrate via an insulating film and having
5 an opening portion at a position corresponding to a region where a cathode is
6 provided; and a cathode portion provided on the p-type silicon substrate and at a
7 position corresponding to the opening portion of the extraction electrode; and
8 an n-channel field effect transistor portion provided on the p-type
9 silicon substrate, corresponding to the field emission electron source portion,
10 wherein:

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36.00 OP
84.00 OP
01 FC:1202
02 FC:1201